



نماذج تطوير التعليم

السيد الدكتور/ مدير وحدة ضمان الجودة و الاعتماد

تحية طيبة و بعد،

يشرفني أن أقدم لسيادتكم بعرض موجز عن ما تم تنفيذه من الاستعانة بنظام إدارة التعلم (Moodle) بوحدة التعليم الالكتروني بالجامعة للمساعدة في عمل امتحانات دورية في مادة الكيمياء التحليلية و التحليل الآلي لطلاب الفرقة الثانية في العام الجامعي ٢٠١٤/٢٠١٥ حيث يوفر نظام إدارة التعلم (Moodle) بيئة تعليمية رسمية لإدارة المقرر الكترونياً و إجراء الامتحانات الدورية بشكل فعال، و ساعد ذلك في تحفيز الطلاب لمذاكرة المقرر بشكل مستمر و تمكينهم من عمل تقييم ذاتي لمدى استيعابهم لمحتواه العلمي و كذلك أعطى ذلك فرصة للطلاب لمعرفة نماذج لطريقة الأسئلة الخاصة بامتحانات هذا المقرر.

تم عمل الامتحان الدوري الالكتروني **Electronic Quiz Exam** لجميع طلاب الدفعة البالغ عددهم ١٣٥٠ طالباً بعد تقسيمهم إلى ثلاث مجموعات لضمان عدم حدوث ضغط زائد على موقع وحدة التعليم الالكتروني و تم فتح الامتحان لمدة ٢٠ دقيقة يقوم الطالب خلالها بالدخول على موقع الامتحان باستخدام اسم مستخدم و كلمة سر خاصة بكل طالب و يتم ذلك بمساعدة وحدة التعليم الالكتروني بالجامعة، ثم يتم تصحيح الامتحان الكترونياً و عرض النتائج في نفس يوم الامتحان بشكل واضح و شفاف لجميع الطلاب. و للتغلب على مشاكل الاتصال بشبكة الانترنت التي واجهت بعض الطلاب تم فتح محاولة أخرى لدخول الامتحان هؤلاء الطلاب فقط و إضافة نتائجها إلى نتائج الامتحان الرئيسي.

و مرفق بهذا التقرير نموذج من هذه الامتحانات و كذلك نسخة من التقارير الإحصائية المفصلة و الحسابات التي يقوم الموقع بإجرائها الكترونياً بعد الامتحان و التي تساعد أستاذ المادة بشكل كبير في تقييم الامتحان و تقييم معدل السهولة (Facility Index) الخاص بكل سؤال.

و تفضلوا سيادتكم بقبول وافر التحية و الاحترام

مقدمه لسيادتكم
س. م. م. م.

أ.د/ ناهد محمود العناني

الأستاذ بقسم الكيمياء التحليلية الصيدلانية

و عميد كلية الصيدلة - جامعة المنصورة

كيمياء تحليلية صيدلية وتحليل آلي - الفرقة الثانية قديم

You can preview this quiz, but if this were a real attempt, you would be blocked because:

This quiz is not currently available

Question 1

Not yet answered

Marked out of 1

Flag question

Edit question

The source of atomization in AAS is:

Select one:

- ☐ - Hollow cathode lamp
- ☐ - flame
- ☐ - deuterium lamp
- ☐ - tungsten lamp

Question 2

Not yet answered

Marked out of 1

Flag question

Edit question

Comparing aspirin to its alkaline degradation product; aspirin has:

Select one:

- ☐ - neither excitation nor emission spectrum
- ☐ - resonance fluorescence spectrum
- ☐ - both excitation and emission spectrum
- ☐ - Absorption spectrum

Question 3

Not yet answered

Marked out of 1

Flag question

Edit question

When excitation and emission occurs at the same wavelength, this is called:

Select one:

- ☐ -intersystem crossing process
- ☐ -non radiative decay process
- ☐ - resonance fluorescence process
- ☐ - vibrational relaxation process

Question 4

Not yet
answered

Marked out of 1

Flag
question

Edit question

Increasing the viscosity of the medium will:

Select one:

- ☐ - any of these
- ☐ - decrease the fluorescence
- ☐ - increase the fluorescence
- ☐ - increase the absorbance

Question 5

Not yet
answered

Marked out of 1

Flag
question

Edit question

**When a flame composed of acetylene / N_2O is used for Na sample
in atomic emission spectroscopy:**

Select one:

- ☐ - nothing occurs
- ☐ - ionization occurs
- ☐ - atomization occurs
- ☐ - atomization and excitation occur

Question 6

Not yet
answered

Marked out of 1

Flag
question

Edit question

**An example for specific reagent for determination of oseltamivir (primary
amino drug) spectrofluorimetrically is:**

Select one:

- ☐ - Mercurochrome
- ☐ - NBD-Cl
- ☐ - Fluorescamine
- ☐ - Dansyl- Cl

Question 7

Not yet
answered

Marked out of 1

Flag
question

Edit question

Berberine is determined by AAS using:

Select one:

- ☐ - Ammonium reinckate reagent
- ☐ - $SrCl_2$ reagent
- ☐ - Ammonium tetracyanocobaltate reagent

☐ - LiCl reagent

Question 8

Not yet
answered

Marked out of 1

Flag
question

Edit question

Any absorbing substance must have:

Select one:

- ☐ - Emission spectrum
- ☐ - neither excitation nor emission spectrum
- ☐ - Excitation spectrum
- ☐ - both excitation and emission spectrum

Question 9

Not yet
answered

Marked out of 1

Flag
question

Edit question

The decrease in the fluorescence intensity of aniline in HCl is considered as:

Select one:

- ☐ - oxygen quenching
- ☐ - self quenching
- ☐ - chemical quenching
- ☐ - both of chemical and oxygen quenching

Question 10

Not yet
answered

Marked out of 1

Flag
question

Edit question

Chloride in water is determined by AAS using:

Select one:

- ☐ - ammonium tetracyanocobaltate reagent
- ☐ - Ammonium reineckate reagent
- ☐ - AgNO_3
- ☐ - BaCl_2

Next

كيمياء تحليلية صيدلية وتحليل آلي - الفرقة الثانية قديم

Quiz on Fluorimetry & AAS (Students: 1-500) from 9:00 to 9:20

Visible groups: All participants

Statistics calculation settings

Calculate statistics from

highest graded attempt ▼

Show report

Quiz information

Last calculated 2 mins 7 secs ago there have been 0 attempts since then.

Recalculate now

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



















Quiz name	Quiz on Fluorimetry & AAS (Students: 1-500) from 9:00 to 9:20
Course name	كيمياء تحليلية صيدلية وتحليل آلي - الفرقة الثانية قديم
Close the quiz	Thursday, 7 May 2015, 10:00 PM
Number of complete graded first attempts	456
Total number of complete graded attempts	456
Average grade of first attempts	64%
Average grade of all attempts	64%
Average grade of last attempts	64%
Average grade of highest graded attempts	64%
Median grade (for highest graded attempt)	70%
Standard deviation (for highest graded attempt)	26%
Score distribution skewness (for highest graded attempt)	-0.75
Score distribution kurtosis (for highest graded attempt)	0.00
Coefficient of internal consistency (for highest graded attempt)	78%
Error ratio (for highest graded attempt)	47%
Standard error (for highest graded attempt)	12%

Quiz structure analysis

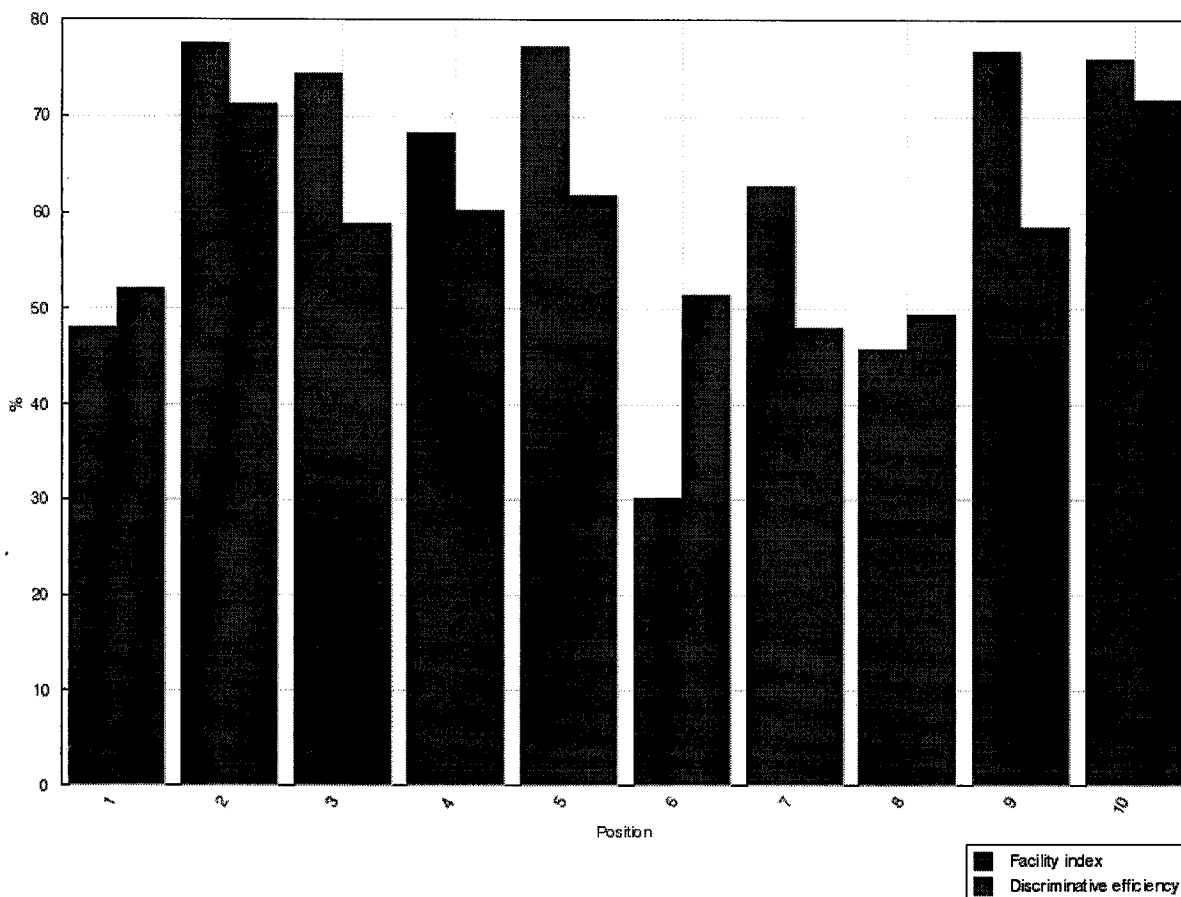
Download table data as

Comma separated values text file

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Q#		Question name	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficiency
1		 Q q1	456	48.03%	50.02%	25.00%	10%	10.32%	40.99%	52.03%
2		 Q q2	456	77.41%	41.86%	25.00%	10%	10.23%	55.42%	71.17%
3		 Q q3	456	74.34%	43.72%	25.00%	10%	9.97%	47.59%	58.87%
4		 Q q4	456	68.20%	46.62%	25.00%	10%	10.43%	48.67%	60.28%
5		 Q q5	456	77.19%	42.00%	25.00%	10%	9.78%	48.29%	61.73%
6		 Q q6	456	30.04%	45.90%	25.00%	10%	9.18%	33.47%	51.39%
7		 Q q7	456	62.72%	48.41%	25.00%	10%	9.97%	39.19%	48.07%
8		 Q q8	456	45.83%	49.88%	25.00%	10%	10.07%	37.97%	49.49%
9		 Q q9	456	76.75%	42.29%	25.00%	10%	9.66%	46.03%	58.50%
10		 Q q10	456	75.88%	42.83%	25.00%	10%	10.39%	55.82%	71.71%

Statistics for question positions



كيمياء تحليلية صيدلية وتحليل آلي - الفرقة الثانية قديم

Quiz on fluorimetry & AAS (Students: 501-1000) from 9:20 to 9:40

Visible groups: All participants

Statistics calculation settings

Calculate statistics from

highest graded attempt ▼

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Quiz information

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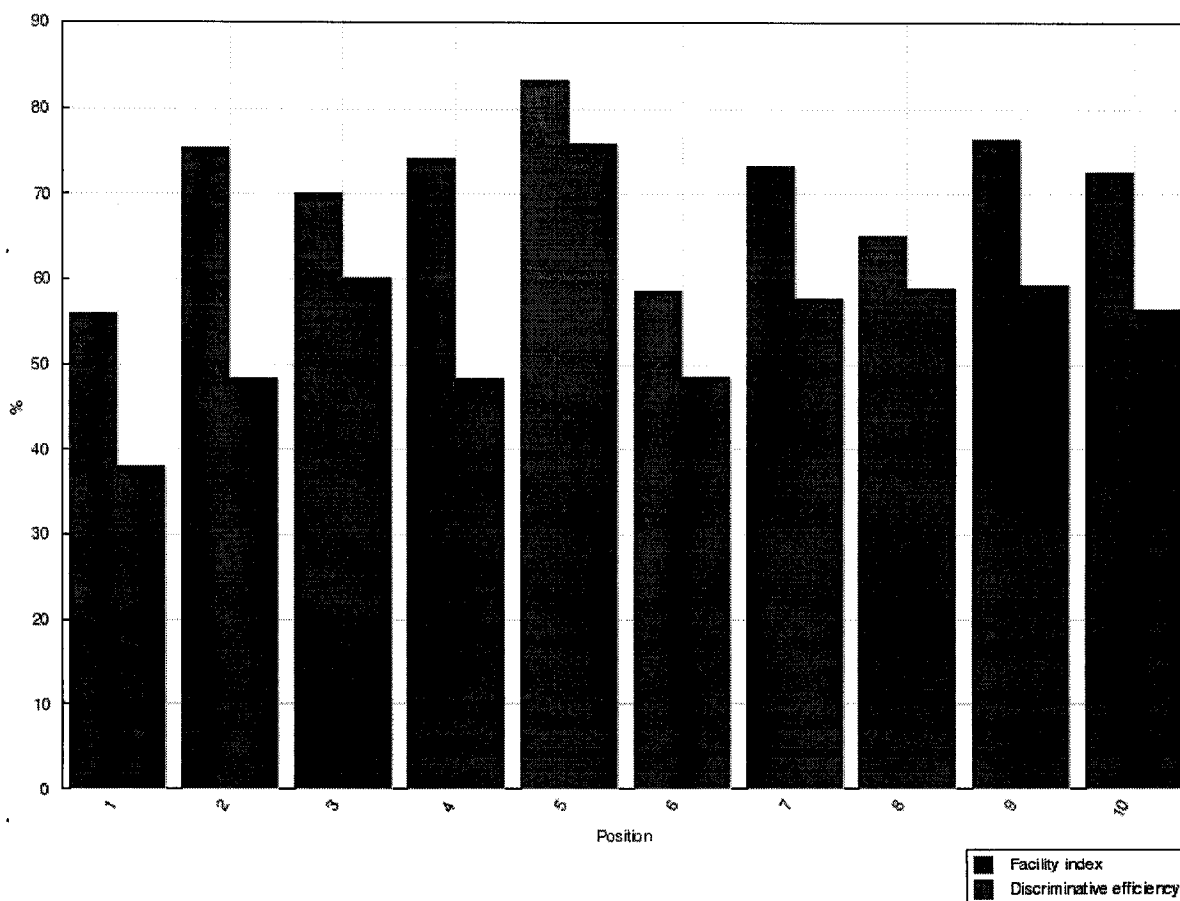
Quiz name	Quiz on fluorimetry & AAS (Students: 501-1000) from 9:20 to 9:40
Course name	كيمياء تحليلية صيدلية وتحليل آلي - الفرقة الثانية قديم
Close the quiz	Thursday, 7 May 2015, 10:00 PM
Number of complete graded first attempts	474
Total number of complete graded attempts	474
Average grade of first attempts	70%
Average grade of all attempts	70%
Average grade of last attempts	70%
Average grade of highest graded attempts	70%
Median grade (for highest graded attempt)	80%
Standard deviation (for highest graded attempt)	26%
Score distribution skewness (for highest graded attempt)	-1.08
Score distribution kurtosis (for highest graded attempt)	0.46
Coefficient of internal consistency (for highest graded attempt)	78%
Error ratio (for highest graded attempt)	47%
Standard error (for highest graded attempt)	12%

Quiz structure analysis

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Q#	Question name	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficiency
1	Q q1	474	55.91%	49.70%	25.00%	10%	9.40%	29.34%	37.93%
2	Q q2	474	75.32%	43.16%	25.00%	10%	9.46%	40.62%	48.34%
3	Q q3	474	70.04%	45.86%	25.00%	10%	10.52%	50.30%	60.11%
4	Q q4	474	74.05%	43.88%	25.00%	10%	9.58%	40.91%	48.30%
5	Q q5	474	83.33%	37.31%	25.00%	10%	9.99%	61.09%	75.88%
6	Q q6	474	58.65%	49.30%	25.00%	10%	10.13%	38.81%	48.55%
7	Q q7	474	73.21%	44.34%	25.00%	10%	10.21%	48.81%	57.75%
8	Q q8	474	65.19%	47.69%	25.00%	10%	10.58%	47.60%	59.03%
9	Q q9	474	76.37%	42.52%	25.00%	10%	10.00%	49.39%	59.26%
10	Q q10	474	72.57%	44.66%	25.00%	10%	10.15%	47.32%	56.40%

Statistics for question positions



كيمياء تحليلية صيدلانية وتحليل آلي - الفرقة الثانية قديم

Quiz on fluorimetry & AAS (Students: 1001-last) from 9:40 to 10:00

Visible groups: All participants

Statistics calculation settings

Calculate statistics from

highest graded attempt ▼

Show report

Quiz information

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Quiz name

Quiz on fluorimetry & AAS (Students: 1001-last) from 9:40 to 10:00

Course name

كيمياء تحليلية صيدلانية وتحليل آلي - الفرقة الثانية قديم

Close the quiz

Thursday, 7 May 2015, 10:00 PM

Number of complete graded first attempts

355

Total number of complete graded attempts

355

Average grade of first attempts

72%

Average grade of all attempts

72%

Average grade of last attempts

72%

Average grade of highest graded attempts

72%

Median grade (for highest graded attempt)

80%

Standard deviation (for highest graded attempt)

24%

Score distribution skewness (for highest graded attempt)

-1.17

Score distribution kurtosis (for highest graded attempt)

1.10

Coefficient of internal consistency (for highest graded attempt)

77%

Error ratio (for highest graded attempt)

48%

Standard error (for highest graded attempt)

12%

Quiz structure analysis

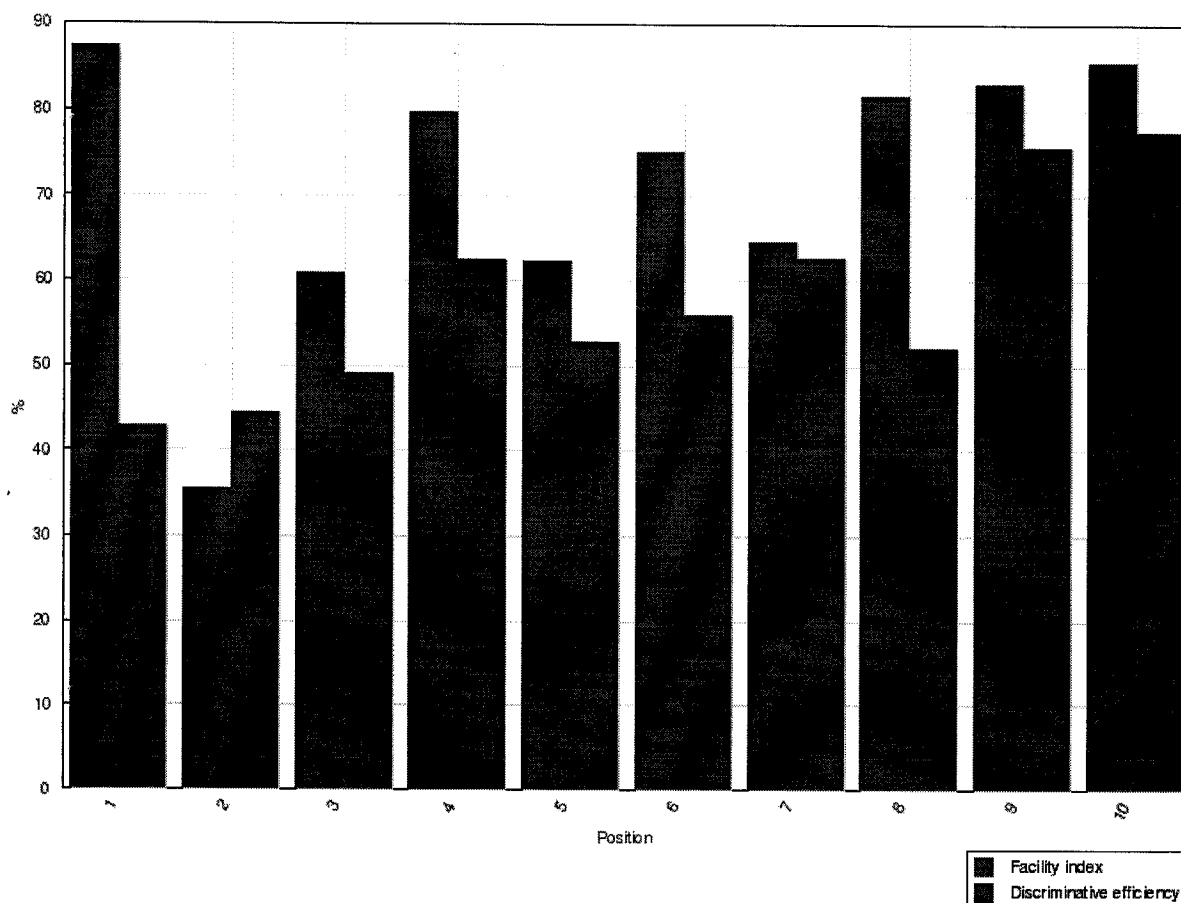
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Q#	Question name	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficiency
1	Q q1	355	87.32%	33.32%	25.00%	10%	7.90%	33.39%	42.87%
2	Q q2	355	35.49%	47.92%	25.00%	10%	9.49%	27.87%	44.55%
3	Q q3	355	60.85%	48.88%	25.00%	10%	10.56%	38.88%	49.07%
4	Q q4	355	79.72%	40.27%	25.00%	10%	10.13%	49.78%	62.54%
5	Q q5	355	62.25%	48.54%	25.00%	10%	10.77%	42.12%	52.78%
6	Q q6	355	75.21%	43.24%	25.00%	10%	10.24%	45.10%	55.99%
7	Q q7	355	64.51%	47.92%	25.00%	10%	11.24%	49.76%	62.62%
8	Q q8	355	81.69%	38.73%	25.00%	10%	9.35%	41.87%	52.05%
9	Q q9	355	83.10%	37.53%	25.00%	10%	10.37%	59.90%	75.72%
10	Q q10	355	85.63%	35.12%	25.00%	10%	9.94%	58.99%	77.55%

Statistics for question positions



كيمياء تحليلية صيدلية وتحليل آلي - الفرقة الثانية قديم

Quiz on fluorimetry & AAS (Remaining Students) from 9:00 to 9:20

Visible groups: All participants

Statistics calculation settings

Calculate statistics from

highest graded attempt ▾

Show report













































Quiz information

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Quiz name	Quiz on fluorimetry & AAS (Remaining Students) from 9:00 to 9:20
Course name	كيمياء تحليلية صيدلية وتحليل آلي - الفرقة الثانية قديم
Close the quiz	Saturday, 16 May 2015, 8:30 PM
Number of complete graded first attempts	87
Total number of complete graded attempts	87
Average grade of first attempts	67%
Average grade of all attempts	67%
Average grade of last attempts	67%
Average grade of highest graded attempts	67%
Median grade (for highest graded attempt)	70%
Standard deviation (for highest graded attempt)	28%
Score distribution skewness (for highest graded attempt)	-0.85
Score distribution kurtosis (for highest graded attempt)	0.01
Coefficient of internal consistency (for highest graded attempt)	80%
Error ratio (for highest graded attempt)	45%
Standard error (for highest graded attempt)	13%

Quiz structure analysis

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Q#		Question name	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficiency
1		 Random (Group 1)	87	70.11%	46.04%		10%	8.20%	25.03%	29.55%
1.1		 q1	27	59.26%	50.07%	25.00%	10%		59.59%	73.59%
1.2		 q1	26	69.23%	47.07%	25.00%	10%		44.09%	53.06%
1.3		 q1	34	79.41%	41.04%	25.00%	10%		14.82%	18.40%
2		 Random (Group 2)	87	63.22%	48.50%		10%	9.26%	33.73%	40.59%
2.1		 q2	29	79.31%	41.23%	25.00%	10%		34.69%	44.32%
2.2		 q2	28	67.86%	47.56%	25.00%	10%		70.27%	82.59%
2.3		 q2	30	43.33%	50.40%	25.00%	10%		44.49%	56.88%
3		 Random (Group 3)	87	64.37%	48.17%		10%	9.76%	40.59%	49.30%
3.1		 q3	28	71.43%	46.00%	25.00%	10%		59.50%	75.44%
3.2		 q3	26	69.23%	47.07%	25.00%	10%		65.18%	78.03%
3.3		 q3	33	54.55%	50.56%	25.00%	10%		42.36%	49.56%
4		 Random (Group 4)	87	71.26%	45.52%		10%	10.05%	49.35%	58.89%
4.1		 q4	30	80.00%	40.68%	25.00%	10%		70.65%	88.00%
4.2		 q4	33	60.61%	49.62%	25.00%	10%		57.27%	70.44%
4.3		 q4	24	75.00%	44.23%	25.00%	10%		52.84%	64.04%
5		 Random (Group 5)	87	80.46%	39.88%		10%	9.70%	55.51%	69.67%
5.1		 q5	23	82.61%	38.76%	25.00%	10%		66.86%	93.85%
5.2		 q5	35	91.43%	28.40%	25.00%	10%		68.59%	100.00%
5.3		 q5	29	65.52%	48.37%	25.00%	10%		68.32%	82.63%
6		 Random (Group 6)	87	57.47%	49.73%		10%	10.81%	52.47%	65.75%
6.1		 q6	30	40.00%	49.83%	25.00%	10%		74.50%	96.86%

Q#		Question name	Attempts	Facility index	Standard deviation	Random guess score	Intended weight	Effective weight	Discrimination index	Discriminative efficiency
6.2	Q	q6	32	59.38%	49.90%	25.00%	10%		68.30%	84.11%
6.3	Q	q6	25	76.00%	43.59%	25.00%	10%		46.38%	59.51%
7	Q	Random (Group 7)	87	62.07%	48.80%		10%	10.40%	48.15%	59.14%
7.1	Q	q7	30	63.33%	49.01%	25.00%	10%		66.21%	80.97%
7.2	Q	q7	23	78.26%	42.17%	25.00%	10%		64.02%	73.69%
7.3	Q	q7	34	50.00%	50.75%	25.00%	10%		63.11%	79.10%
8	Q	Random (Group 8)	87	58.62%	49.54%		10%	10.83%	53.14%	65.17%
8.1	Q	q8	30	50.00%	50.85%	25.00%	10%		54.87%	73.08%
8.2	Q	q8	22	59.09%	50.32%	25.00%	10%		58.95%	76.84%
8.3	Q	q8	35	65.71%	48.16%	25.00%	10%		80.19%	91.34%
9	Q	Random (Group 9)	87	68.97%	46.53%		10%	10.88%	59.99%	72.94%
9.1	Q	q9	28	71.43%	46.00%	25.00%	10%		28.23%	37.90%
9.2	Q	q9	30	63.33%	49.01%	25.00%	10%		86.27%	97.44%
9.3	Q	q9	29	72.41%	45.49%	25.00%	10%		80.49%	94.18%
10	Q	Random (Group 10)	87	73.56%	44.36%		10%	10.10%	52.29%	64.20%
10.1	Q	q10	29	75.86%	43.55%	25.00%	10%		82.12%	96.56%
10.2	Q	q10	30	66.67%	47.95%	25.00%	10%		51.28%	66.67%
10.3	Q	q10	28	78.57%	41.79%	25.00%	10%		62.23%	81.18%

Statistics for question positions

